

WHAT IS CLAIMED IS:

Sub A27

1. A nonreciprocal circuit device comprising:
a permanent magnet;
a ferrite member which is adapted to receive a direct
current magnetic field applied by the permanent magnet, said
ferrite member including a plurality of central electrodes;
and

a metal case containing the permanent magnet, the
ferrite member, and the plurality of central electrodes;
wherein the metal case has a gap for cutting off a loop
current flowing around the ferrite member and the plurality
of central electrodes.

2. A nonreciprocal circuit device according to Claim 1,
wherein the metal case is integrally formed.

Sub A33

3. A nonreciprocal circuit device according to Claim 1,
wherein the metal case is formed by a plurality of
components.

4. A nonreciprocal circuit device according to Claim 1,
wherein the metal case is rotation-symmetric with respect to
the axis of the permanent magnet.

5. A nonreciprocal circuit device according to Claim 2,
wherein a cross section of the metal case has a
substantially rectangular frame shape formed by bending a
substantially rectangular metal plate at four positions in
parallel to an edge of the metal plate.

Sub 947 6. A nonreciprocal circuit device according to Claim 3,
wherein the metal case is composed of an upper case unit and
a lower case unit, and a gap is disposed at least between
one edge of the upper case unit and one edge of the lower
case unit opposite to the one edge of the upper case unit.

7. A communication apparatus comprising at least one
of the nonreciprocal circuit devices according to Claims 1
to 6.